

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A gas turbine (1, 101, 201) comprising:

a combustion chamber (16);

a first turbine (11) located upstream of a first compressor (2) relative to said gas turbine,
a combustion chamber (16) and a first turbine (11), the said turbine (11) being adapted to drive
the compressor (2) via a first shaft (10a, 10b); and, wherein the gas turbine comprises

a bleed valve (12) arranged upstream of the first turbine for and which conducts
conducting part of a gas compressed by the compressor past the turbine during engine-braking,
wherein the said bleed valve (12) is adapted in such a way that its having an opening area for
regulating configured to regulate the quantity of gas which is intended to be conducted past the
first turbine (11) and which is controlled depending in dependence on the pressure in of the gas
from exiting the compressor (2).

2. (Currently Amended) The gas turbine as claimed recited in OLE_LINK1-claim 1, wherein
OLE_LINK1-the bleed valve (12) comprises a spring-loaded opening means (38) for regulating
said opening area.

3. (Currently Amended) The gas turbine as claimed recited in claim 1, wherein the bleed valve
(12) is arranged upstream of the combustion chamber (16).

4. (Currently Amended) The gas turbine as claimed recited in claim 1, wherein the gas turbine
comprises a power turbine (20) adapted to drive a second shaft (21), which power turbine is
arranged downstream of the first turbine (11) and is adapted to be driven by the gas from it.

5. (Currently Amended) The gas turbine as claimed recited in claim 4, wherein the gas turbine
comprises a transmission (27) for selective coupling together of said second shaft (21) and said
first shaft (10a, 10b).

6. (Currently Amended) The gas turbine as claimed recited in claim 5, wherein the transmission (27) comprises a clutch (31) for said selective coupling together of the driving shaft (23) and the shaft (10a, 10b).
7. (Currently Amended) The gas turbine as claimed recited in claim 1, wherein the gas turbine comprises means (40) for variable regulation of the flow to the power turbine (20).
8. (Currently Amended) The gas turbine as claimed recited in claim 1, wherein the gas turbine comprises a heat exchanger (14) arranged between the compressor (2) and the combustion chamber (16).
9. (Currently Amended) The gas turbine as claimed recited in claim 8, claim 9, wherein the bleed valve (12) is arranged upstream of the heat exchanger (14).
10. (Currently Amended) The gas turbine as claimed recited in claim 1, wherein the gas turbine comprises a second compressor (5) arranged downstream of said first compressor (2), and in that the bleed valve (12) is arranged upstream of the second compressor (5).
11. (Currently Amended) The gas turbine as claimed recited in claim 1, wherein the gas turbine comprises means (45) for variable regulation of the flow to the compressor (2) for regulation of the braking effect.
12. (Cancelled)

13. (Currently Amended) A method for engine-braking a gas turbine (1, 101, 201) comprising a first compressor (2), a combustion chamber (16) and a first turbine (11), the turbine being adapted to drive the compressor via a first shaft (10a, 10b), wherein part of the gas compressed by the compressor (2) is conducted past the first turbine (11) utilizing a bleed valve (12) arranged upstream of said first turbine (11) relative to the gas turbine during engine-braking, and wherein the quantity of gas ~~which is~~ conducted past the first turbine (11) is being controlled depending in dependence on the pressure in the gas from the compressor (2).

14. (Currently Amended) The method as claimed recited in claim 13, wherein the opening area of a bleed valve (12) adapted for said conducting-off of the gas past the first turbine (11) is controlled directly by said pressure in the gas from the compressor.

15. (Currently Amended) The method as claimed recited in claim 14, wherein the opening area is regulated by an opening means (38) which is arranged in the bleed valve (12) and is adapted to be moved counter to a predetermined spring force.

16. (Currently Amended) The method as claimed recited in claim 13, wherein the part of the compressed gas is conducted past the combustion chamber (16).

17. (Currently Amended) The method as claimed recited in claim 13, wherein the gas turbine comprises a power turbine (20) adapted to drive a second shaft (21), which power turbine is arranged downstream of the first turbine (11) and is adapted to be driven by the gas from the first turbine.

18. (Currently Amended) The method as claimed recited in claim 13, wherein the driving shaft (21) is coupled together, into driving connection, with the first shaft (10a, 10b) for engine-braking.

19. (Currently Amended) The method as claimedrecited in claim 20, wherein the coupling together of the shafts (10a, 10b, 21) takes place after detected actuation of a brake control.
20. (Currently Amended) The method as claimedrecited in claim 13, wherein the fuel flow to the combustion chamber (16) is reduced, and in that a sufficiently large part of the gas compressed by the compressor (2) is conducted to the combustion chamber in order to maintain such a flame in the combustion chamber that the temperature of the parts which are hot during operation of the gas turbine is kept above a predetermined temperature.
21. (Currently Amended) The method as claimedrecited in claim 13, wherein the guide vanes are adapted for regulation of the gas quantity to the power turbine are adjusted into a braking position, the power turbine thus being braked.
22. (Currently Amended) The method as claimedrecited in claim 21, wherein said adjustment of the guide vanes is carried out after a detected reduction in the opening of the throttle.
23. (Currently Amended) The method as claimedrecited in claim 13, wherein the gas compressed by the compressor which is conducted past the first turbine (11) is conducted directly into the atmosphere.
24. (Currently Amended) The method as claimedrecited in claim 13, wherein the gas turbine comprises a heat exchanger arranged downstream of the compressor and upstream of the combustion chamber.
25. (Currently Amended) The method as claimedrecited in claim 24, wherein said part of the compressed gas is conducted past the heat exchanger.

26. (New) A vehicle comprising a gas turbine for providing propulsion to the vehicle, said gas turbine comprising:

a combustion chamber (16);

a first turbine (11) located upstream of a first compressor (2) relative to said gas turbine, , said turbine (11) being adapted to drive the compressor (2) via a first shaft (10a, 10b); and

a bleed valve (12) arranged upstream of the first turbine and which conducts part of a gas compressed by the compressor past the turbine during engine-braking, said bleed valve (12) having an opening area configured to regulate the quantity of gas conducted past the first turbine (11) and which is controlled in dependence on the pressure of the gas exiting the compressor (2).